

Supplementary Materials

Supplemental Tables

Supplemental Table 1. Search strategy

Supplemental Table 2. Effects on fasting blood glucose vs. placebo/water, analyzed without oolong tea

Supplemental Figures

Supplemental Figure 1a. Meta-regression graph between effects of green tea on fasting blood glucose and study mean age

Supplemental Figure 1b. Meta-regression graph between effects of green tea on fasting blood glucose and intervention duration (weeks)

Supplemental Figure 1c. Direct pairwise meta-analysis, effects of green tea on fasting blood glucose levels, stratified by non-diabetic, prediabetic, and diabetic subjects.

Supplemental Figure 2. Comparison-adjusted funnel plot of effects on fasting blood glucose level.

Supplemental Figure 3. Direct pairwise meta-analysis forest plot of effects on 2-hour oral glucose tolerance test results for blood glucose vs. placebo/water

Supplemental Figure 4. Comparison-Adjusted Funnel Plot of effects on 2-hour oral glucose tolerance test results for blood glucose vs. placebo/water

Supplemental Figure 5. Direct pairwise meta-analysis forest plot of effects on HbA1c vs. placebo/water

Supplemental Figure 6. Comparison-Adjusted Funnel Plot of effects on HbA1c vs. placebo/water

Supplemental Figure 7. Direct pairwise meta-analysis forest plot of effects on fasting blood insulin vs. placebo/water

Supplemental Figure 8. Comparison-Adjusted Funnel Plot of effects on fasting blood insulin vs. placebo/water

Supplemental Figure 9. Direct pairwise meta-analysis forest plot of effects on HOMA-IR vs. placebo/water

Supplemental Figure 10. Comparison-Adjusted Funnel Plot of effects on HOMA-IR vs. placebo/water

Supplemental Figure 11. Meta-regression graph between effects of green tea on fasting blood glucose and daily EGCG dose (mg)

Supplementary Materials

Supplemental Table 1. Search strategy

Search engine	Search strategy
EMBASE	'tea'/exp OR 'green tea extract'/exp OR 'camellia sinensis'/exp OR 'coffee'/exp OR tea OR 'green tea' OR 'black tea' OR 'camellia sinensis' OR coffee AND ('glucose blood level'/exp OR 'insulin blood level'/exp OR (glucose* OR insulin*) NEAR/3 (level* OR blood*) OR 'hemoglobin a1c'/exp OR (hemoglobin OR haemoglobin) NEXT/2 a1c OR 'glycosylated hemoglobin'/exp OR (glycosylated OR glyated OR glycaeted) NEAR/2 (hemoglobin* OR haemoglobin*) OR 'insulin sensitivity'/exp OR 'insulin resistance'/exp OR insulin* NEAR/2 (sensitivit* OR resistance*)) AND ('randomized controlled trial'/exp OR 'randomized controlled trial (topic)'/exp OR random*:ab,ti OR rct:ab,ti) AND [embase]/lim
PUBMED	((("coffee"[MeSH Terms] OR "coffee"[All Fields] OR "tea"[MeSH Terms] OR "tea"[All Fields] OR "camellia sinensis"[MeSH Terms] OR ("camellia"[All Fields] AND "sinensis"[All Fields]) OR "camellia sinensis"[All Fields]) AND ("blood glucose"[MeSH Terms] OR "glucose"[All Fields] OR "hemoglobin a, glycosylated"[MeSH Terms] OR "glycosylated hemoglobin a"[All Fields] OR "glycosylated haemoglobin a"[All Fields] OR "hba1c"[All Fields] OR ("hemoglobin"[All Fields] AND "a1c"[All Fields]) OR ("haemoglobin"[All Fields] AND "a1c"[All Fields]) OR ("glycosylated"[All Fields] AND "hemoglobin"[All Fields]) OR ("glycosylated"[All Fields] AND "haemoglobin"[All Fields]) OR ("glycated"[All Fields] AND "hemoglobin"[All Fields]) OR ("glycated"[All Fields] AND "haemoglobin"[All Fields]) OR ("glycaeted"[All Fields] AND "hemoglobin"[All Fields]) OR ("glycaeted"[All Fields] AND "haemoglobin"[All Fields]) OR "insulin/blood"[Mesh Terms] OR "insulin resistance"[MeSH Terms] OR "insulin resistance"[All Fields] OR ("insulin"[All Fields] AND "resistance"[All Fields]) OR "insulin sensitivity"[All Fields] OR ("insulin"[All Fields] AND "sensitivity"[All Fields])) AND ("randomized controlled trial"[Publication Type] OR "controlled clinical trial"[Publication Type] OR "controlled clinical trial"[All Fields] OR randomized[Title/Abstract] OR randomised[Title/Abstract] OR

Supplementary Materials

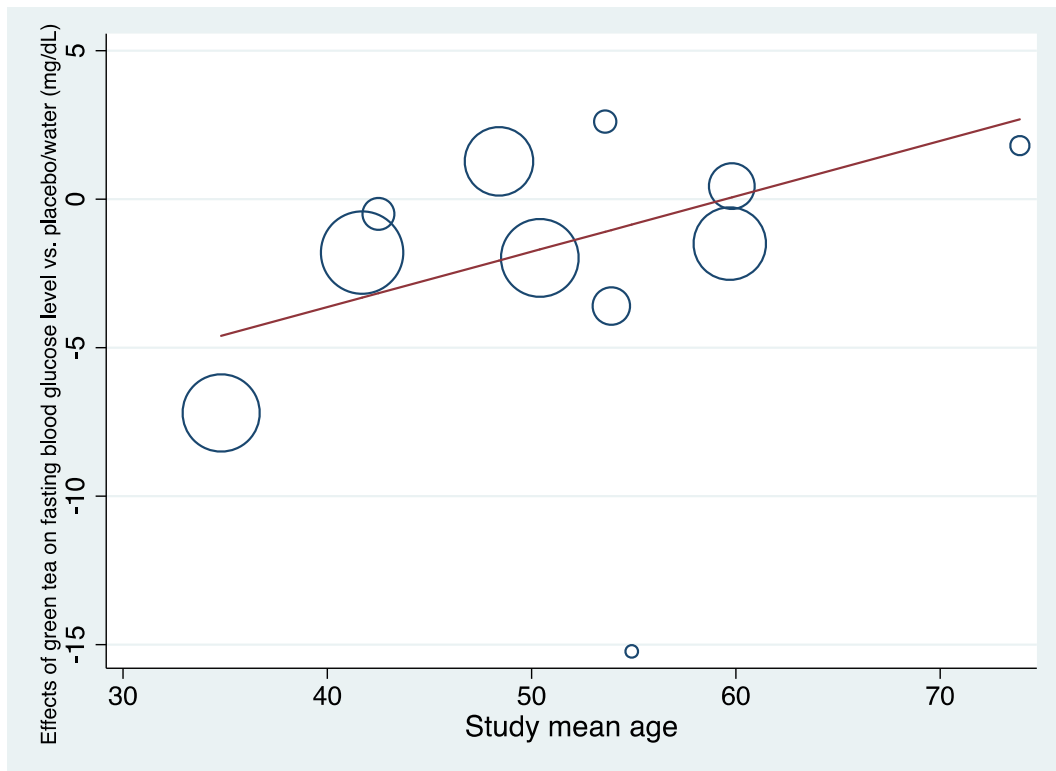
	placebo[Title/Abstract] OR "clinical trials as topic"[MeSH Terms] OR "cross-over studies"[MeSH Terms] OR "cross-over studies"[All Fields] OR "cross over studies"[All Fields] OR "Cross-over study"[All Fields] OR "Cross over study"[All Fields] OR "clinical trial"[Publication Type]))
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Supplemental Table 2. Effects on fasting blood glucose vs. placebo/water, analyzed without oolong tea

Intervention	Mean difference (95 % CI, mg/dL)	Quality of evidence
Coffee (NMA)	1.27 (−1.14 to 3.68)	Low
Decaffeinated coffee (NMA)	4.12 (−5.40 to 13.64)	Low
Black tea (NMA)	−3.51 (−9.07 to 2.04)	Low
Green tea (NMA)	−2.10 (−3.95 to −0.26)	Moderate
Decaffeinated green tea (NMA)	−0.43 (−3.49 to 2.63)	Low

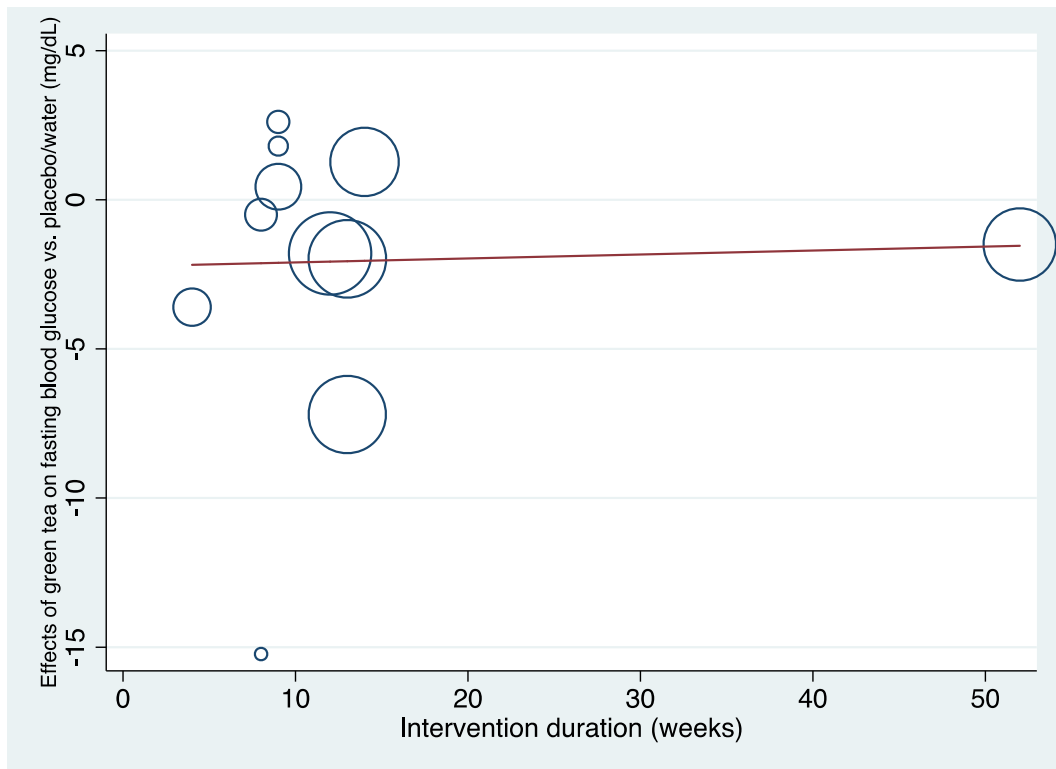
NMA, network meta-analysis

Supplementary Materials



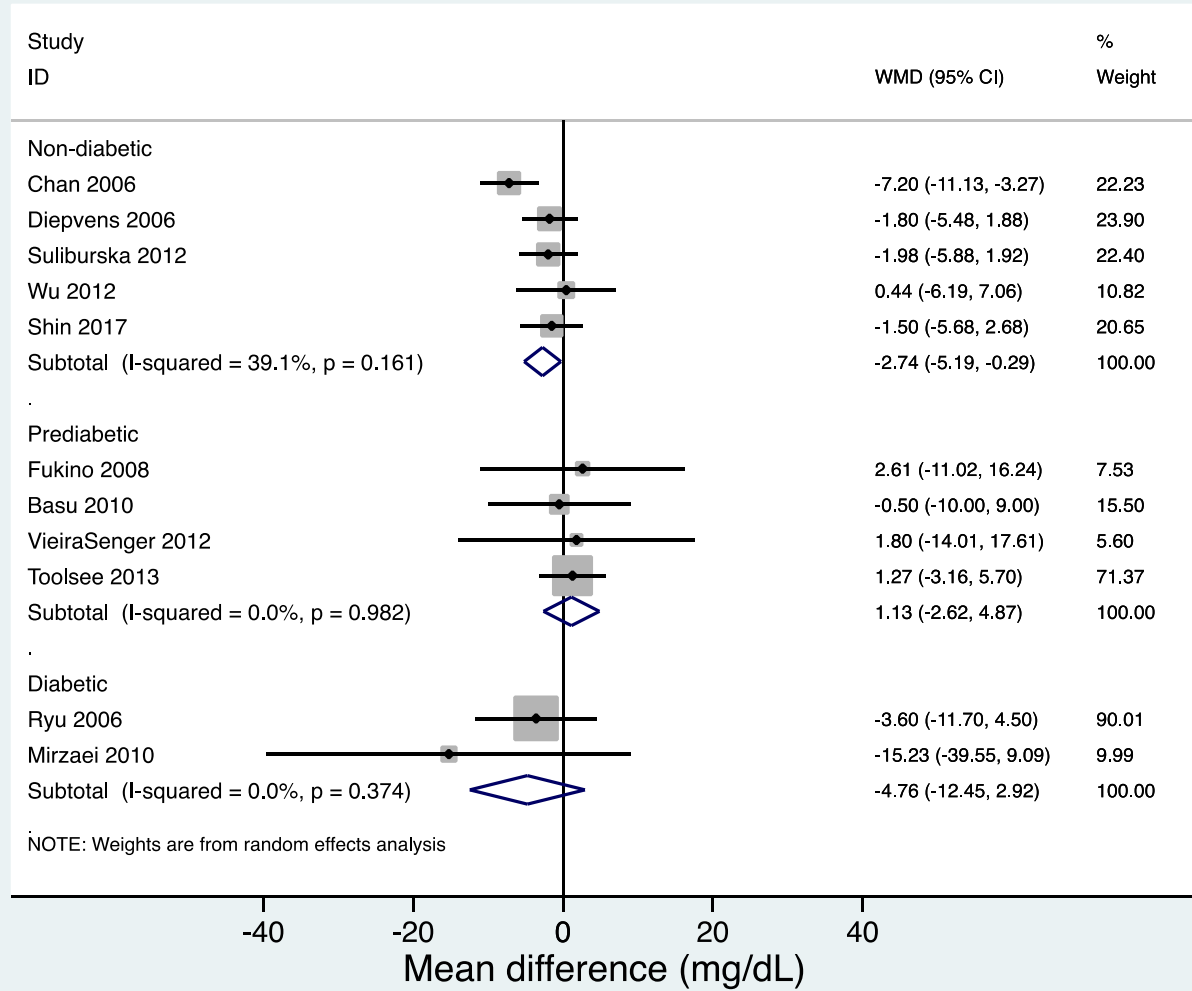
Supplemental Figure 1a. Meta-regression graph between effects of green tea on fasting blood glucose and study mean age ($\beta = 0.17$, SE 0.10, 95% CI -0.04 to 0.41, $P = 0.10$)

Supplementary Materials



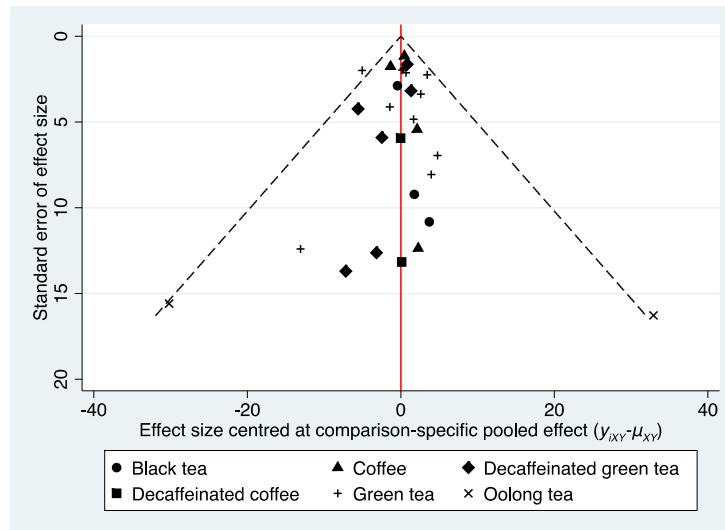
Supplemental Figure 1b. Meta-regression graph between effects of green tea on fasting blood glucose and intervention duration (weeks) ($\beta = 0.01$, SE 0.08, 95% CI -0.16 to 0.19 , $P = 0.87$)

Supplementary Materials



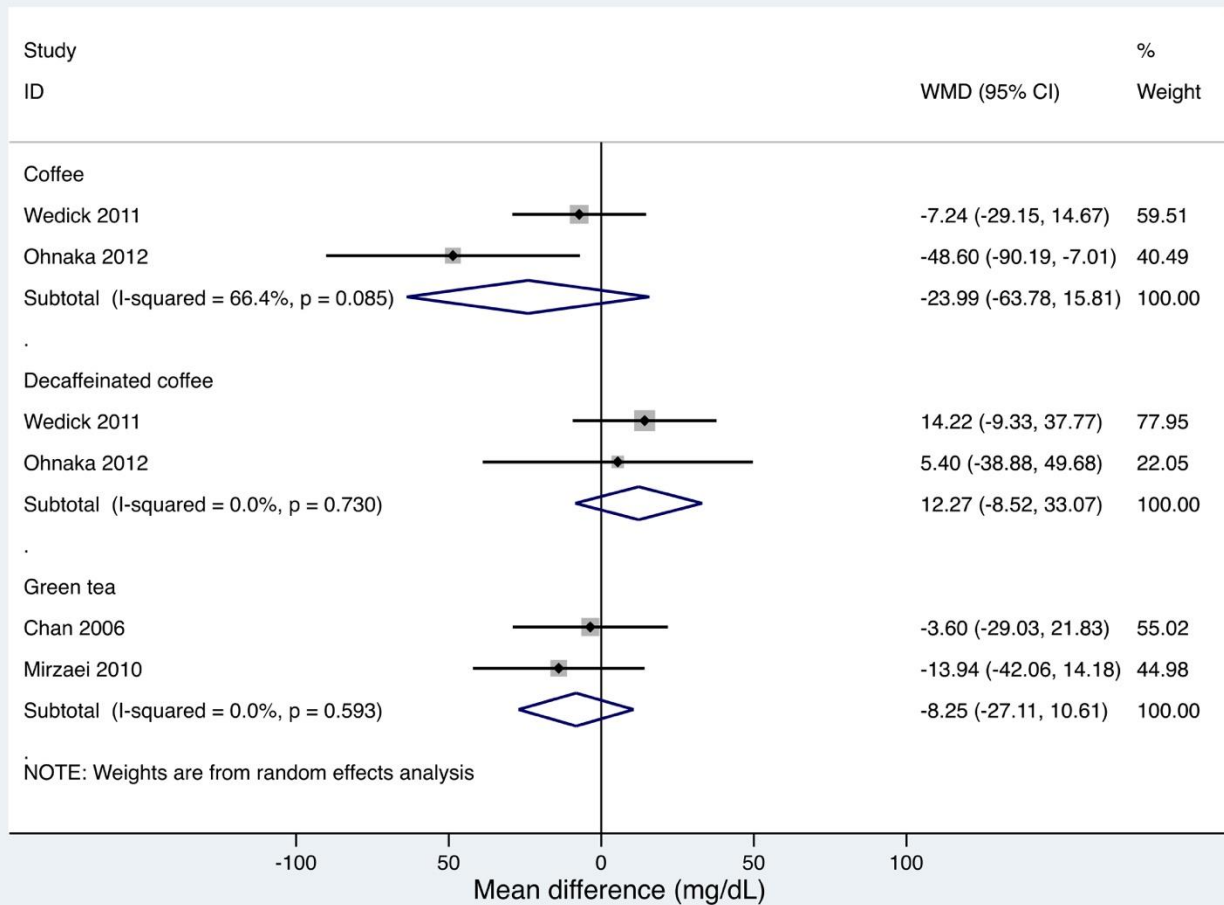
Supplemental Figure 1c. Direct pairwise meta-analysis, effects of green tea on fasting blood glucose levels, stratified by non-diabetic, prediabetic, and diabetic subjects. WMD, weighted mean difference

Supplementary Materials



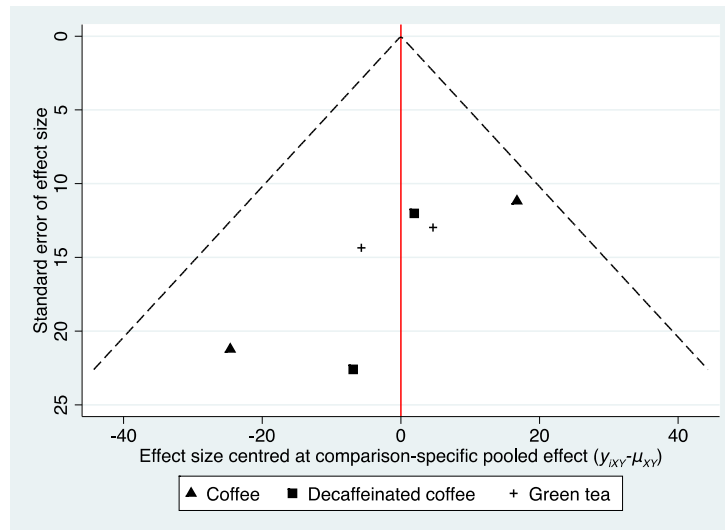
Supplemental Figure 2. Comparison-adjusted funnel plot of effects on fasting blood glucose level.

Supplementary Materials



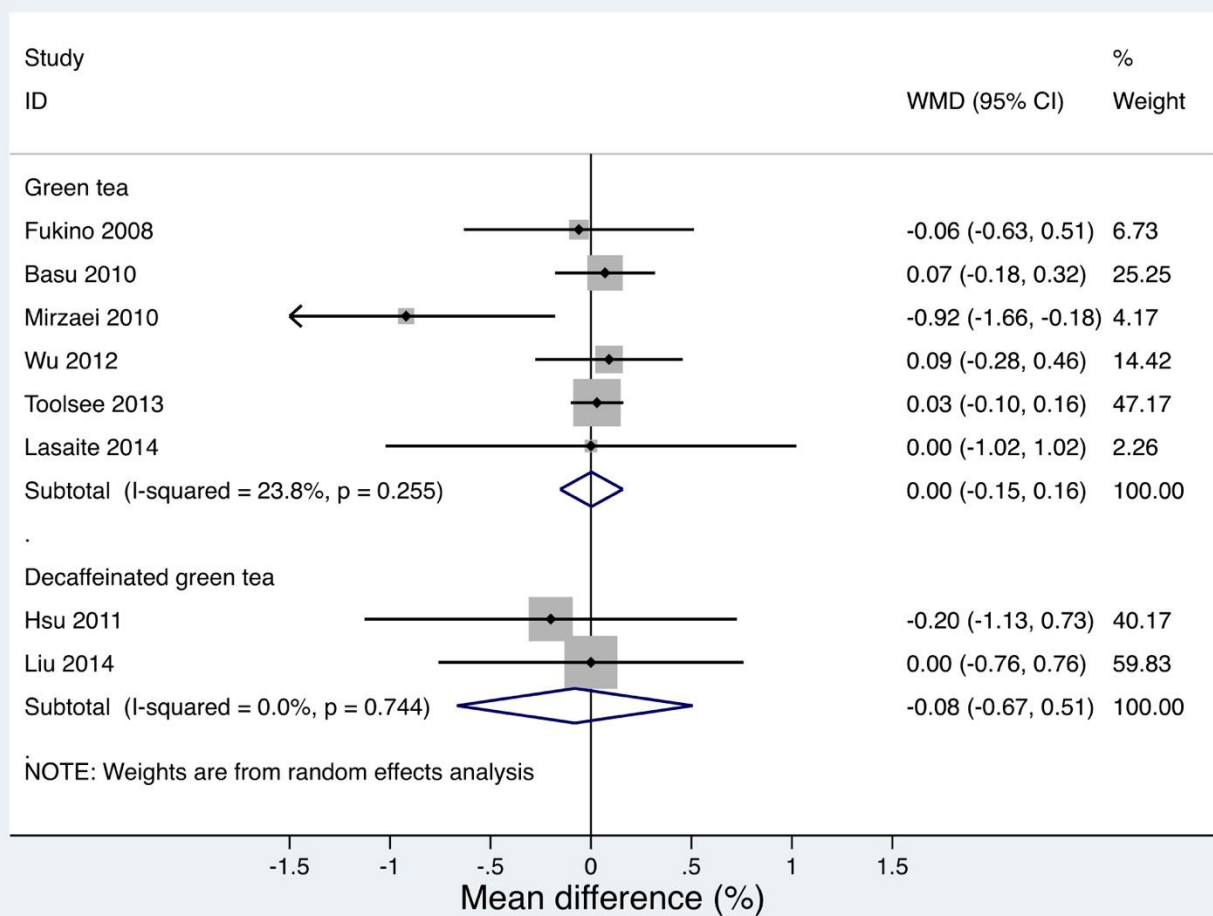
Supplemental Figure 3. Direct pairwise meta-analysis forest plot of effects on 2-hour oral glucose tolerance test results for blood glucose vs. placebo/water. WMD, weighted mean difference

Supplementary Materials



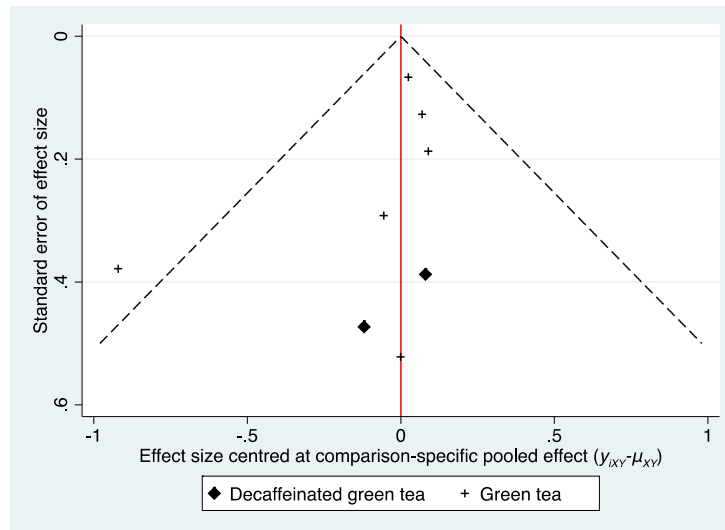
Supplemental Figure 4. Comparison-Adjusted Funnel Plot of effects on 2-hour oral glucose tolerance test results for blood glucose vs. placebo/water.

Supplementary Materials



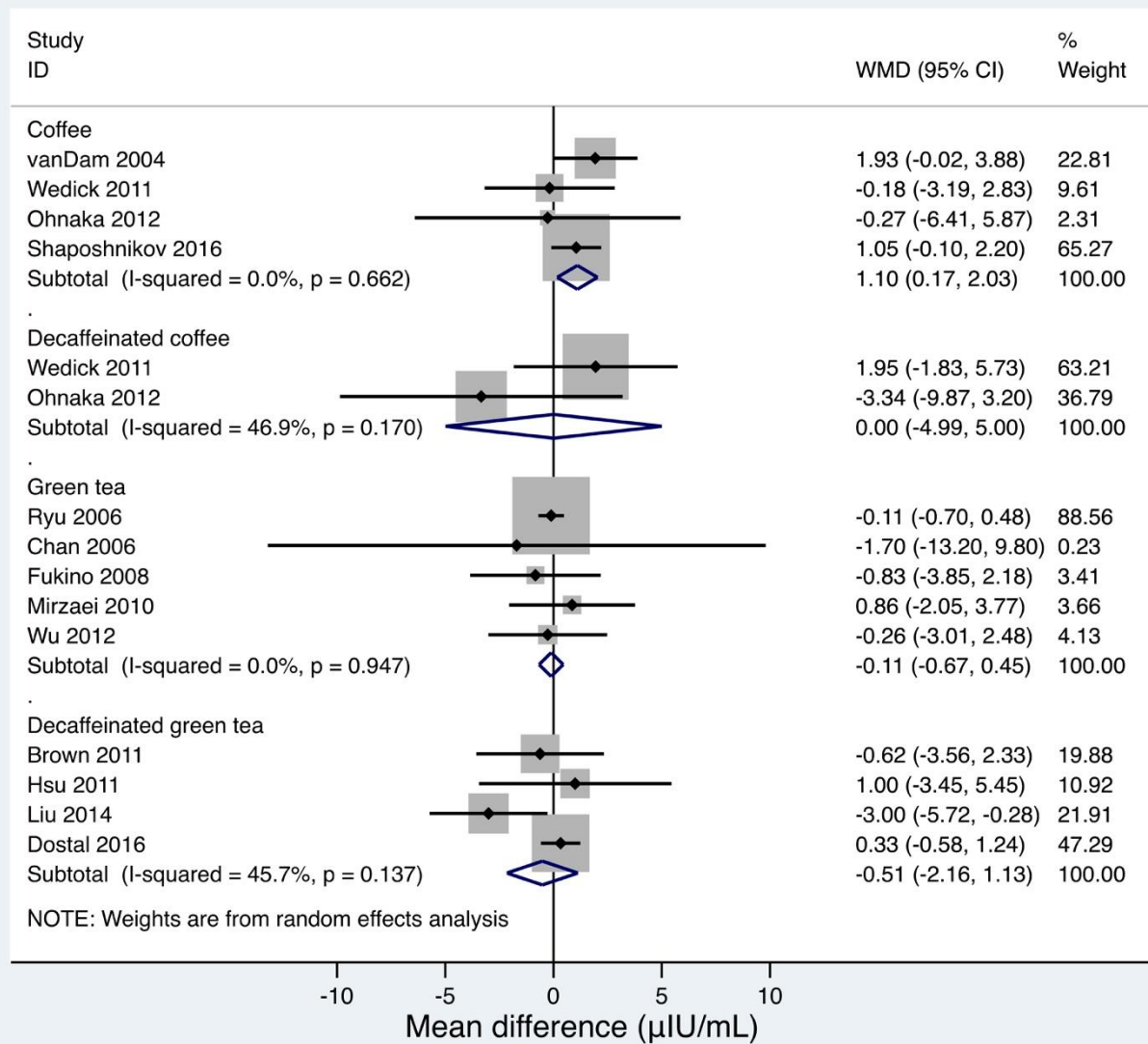
Supplemental Figure 5. Direct pairwise meta-analysis forest plot of effects on HbA1c vs. placebo/water. WMD, weighted mean difference

Supplementary Materials



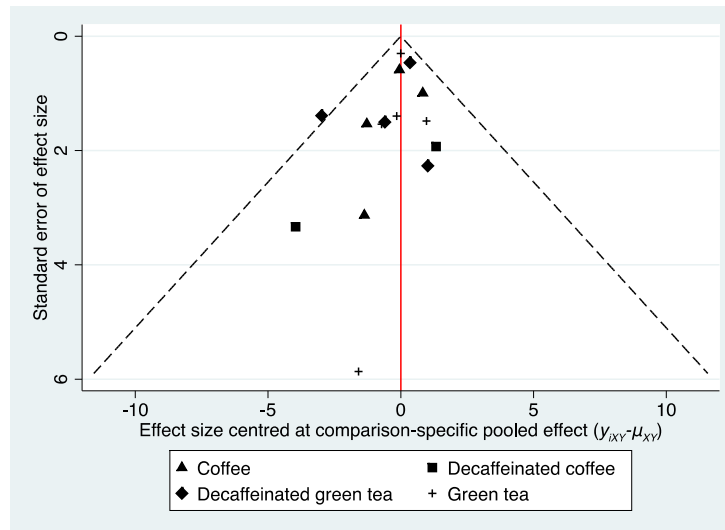
Supplemental Figure 6. Comparison-adjusted Funnel Plot of effects on HbA1c vs. placebo/water.

Supplementary Materials



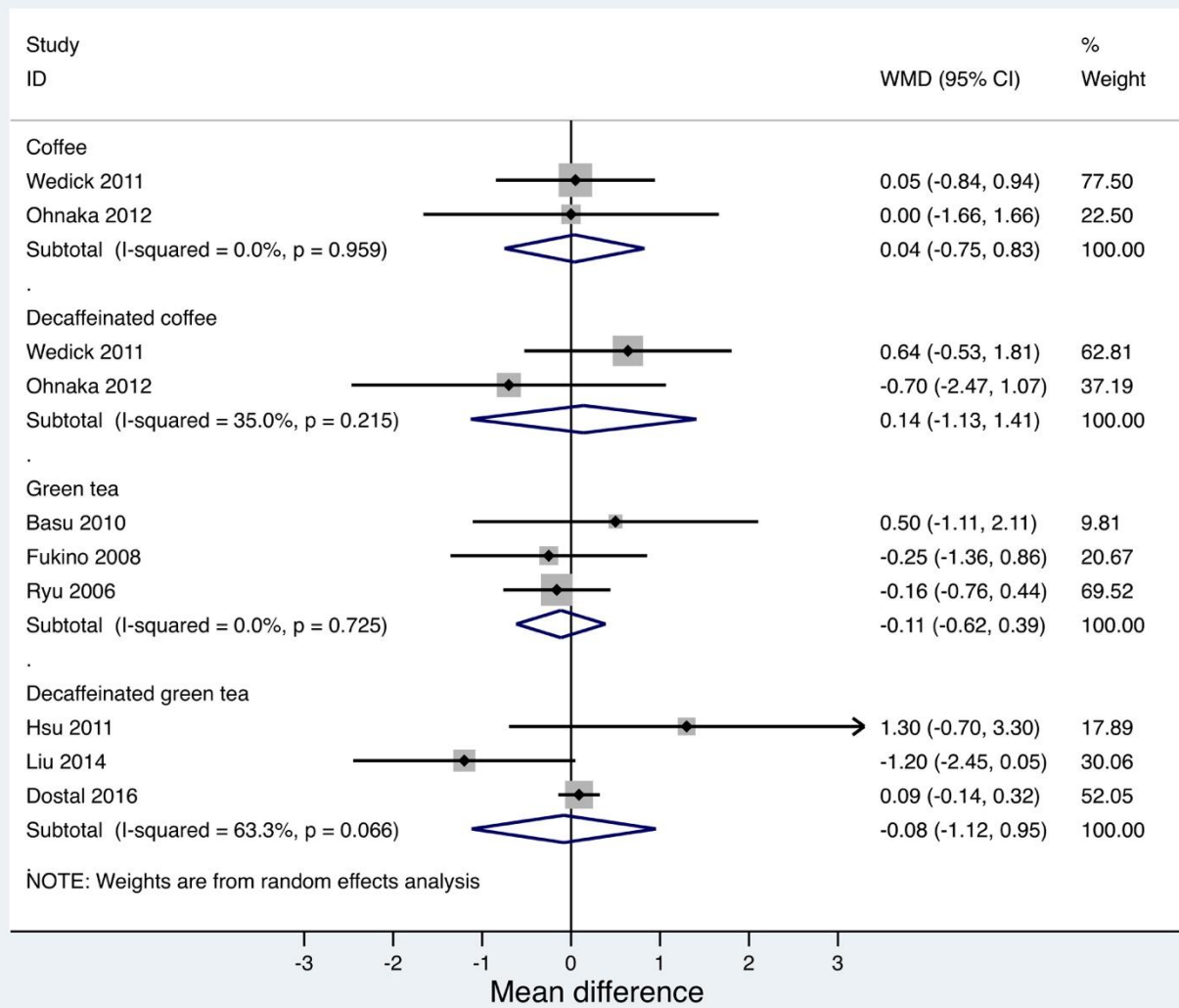
Supplemental Figure 7. Direct pairwise meta-analysis forest plot of effects on fasting blood insulin vs. placebo/water. WMD, weighted mean difference

Supplementary Materials



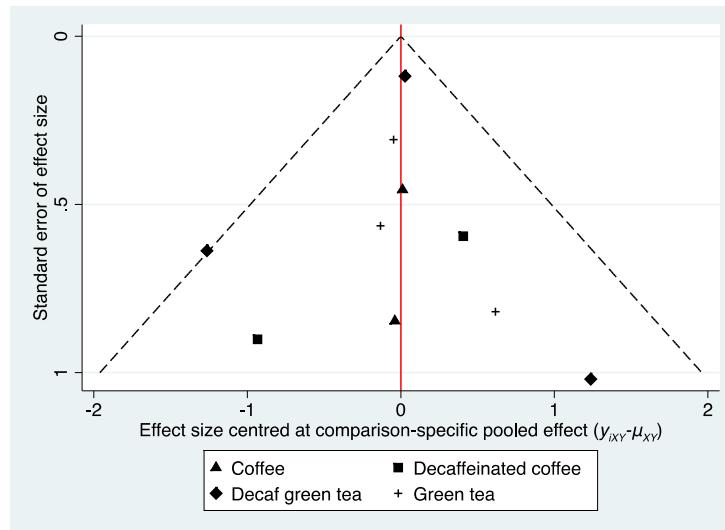
Supplemental Figure 8. Comparison-adjusted Funnel Plot of effects on fasting blood insulin vs. placebo/water.

Supplementary Materials



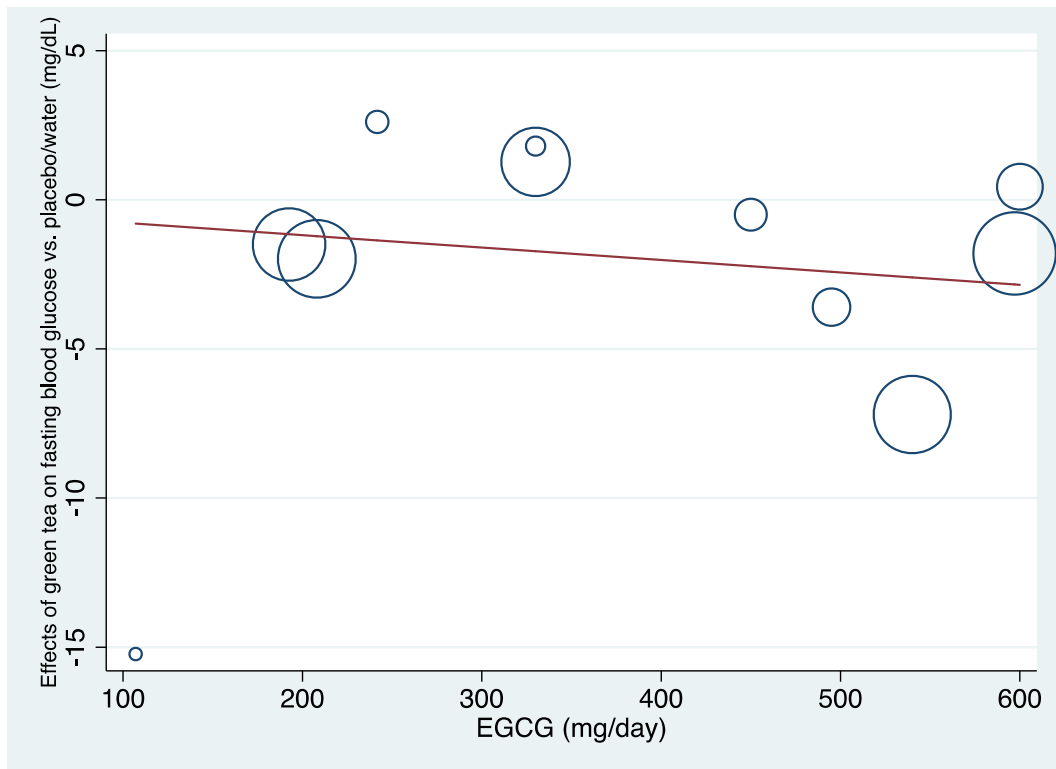
Supplemental Figure 9. Direct pairwise meta-analysis forest plot of effects on HOMA-IR vs. placebo/water. WMD, weighted mean difference

Supplementary Materials



Supplemental Figure 10. Comparison-Adjusted Funnel Plot of effects on HOMA-IR vs. placebo/water.

Supplementary Materials



Supplemental Figure 11. Meta-regression graph between effects of daily EGCG dose contained in green tea on fasting blood glucose ($\beta = 0.00$, $SE = 0.01$, 95% CI -0.02 to 0.01, $p = 0.54$)